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DATE MAILED: 07/31/2003

APPLICATION NO.	FILING D.	ATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/083,914	02/27/2002		Uzodinma Okoroanyanwu	039153-0312 (F0799)	4945	
7	590 0	07/31/2003				
Joseph N. Ziebert				EXAMINER		
FOLEY & LAI Firstar Center				DUDA, KATHLEEN		
777 East Wisconsin Avenue Milwaukee, WI 53202-5367				ART UNIT	PAPER NUMBER	
111111111111111111111111111111111111111	. 00202 000	•		1756		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	mk-
	10/083,914	OKOROANYANWU ET AL.	
Office Action Summary	Examiner	Art Unit	
	Kathleen Duda	1756	
The MAILING DATE of this communication Period for Reply	appears on the cover shee	et with the correspondence address	
A SHORTENED STATUTORY PERIOD FOR RE THE MAILING DATE OF THIS COMMUNICATIO - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a - If NO period for reply is specified above, the maximum statutory per - Failure to reply within the set or extended period for reply will, by state - Any reply received by the Office later than three months after the material patent term adjustment. See 37 CFR 1.704(b). Status	N. t 1.136(a). In no event, however, make triply within the statutory minimum of iod will apply and will expire SIX (6) tatute, cause the application to become	ay a reply be timely filed of thirty (30) days will be considered timely. MONTHS from the mailing date of this communication. ne ABANDONED (35 U.S.C. & 133).	
1) Responsive to communication(s) filed on _	·		
2a) ☐ This action is FINAL . 2b) ☒	This action is non-final.		
Since this application is in condition for allocation closed in accordance with the practice unconsposition of Claims	owance except for formal der <i>Ex parte Quayl</i> e, 1935	matters, prosecution as to the merits is C.D. 11, 453 O.G. 213.	į
4)⊠ Claim(s) <u>1-22</u> is/are pending in the applica	tion		
4a) Of the above claim(s) 10-17 is/are withd			-
5)⊠ Claim(s) <u>1-9 and 19-22</u> is/are allowed.	ann nom consideration.	·	
6)⊠ Claim(s) <u>18</u> is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction an	d/or election requirement		
pplication Papers			
9) ☐ The specification is objected to by the Exam	iner.	·	
10) The drawing(s) filed on is/are: a) ac	ccepted or b) objected to	by the Examiner.	
Applicant may not request that any objection to	the drawing(s) be held in a	beyance. See 37 CFR 1.85(a).	
11) The proposed drawing correction filed on	is: a) approved b)[disapproved by the Examiner.	
If approved, corrected drawings are required in	reply to this Office action.		
12) The oath or declaration is objected to by the	Examiner.		
riority under 35 U.S.C. §§ 119 and 120			
13) Acknowledgment is made of a claim for fore	eign priority under 35 U.S	.C. § 119(a)-(d) or (f).	
a) ☐ All b) ☐ Some * c) ☐ None of:			
1. Certified copies of the priority docume	ents have been received.		
2. Certified copies of the priority docume	ents have been received	in Application No	
 3. Copies of the certified copies of the papplication from the International * See the attached detailed Office action for a 	Bureau (PCT Rule 17.2(a	a)).	
14) Acknowledgment is made of a claim for dome	estic priority under 35 U.S	S.C. § 119(e) (to a provisional application	1).
a) The translation of the foreign language 15) Acknowledgment is made of a claim for dominating Acknowledgment is made of a claim for dominating the control of the foreign language.			
ttachment(s)			
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s	5) Notic	iew Summary (PTO-413) Paper No(s) e of Informal Patent Application (PTO-152)	
Patent and Trademark Office O-326 (Rev. 04-01) Office	Action Summary	Part of Paper No. 3	

Application/Control Number: 10/083,914 Page 2

Art Unit: 1756

DETAILED ACTION

Election/Restrictions

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-9 and 18-22, drawn to a method, classified in class430, subclass 311.
- II. Claims 10-17, drawn to an exposure apparatus, classified in class 355, subclass 18+.

The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are related as process and apparatus for its practice. The inventions are distinct if it can be shown that either: (1) the process as claimed can be practiced by another materially different apparatus or by hand, or (2) the apparatus as claimed can be used to practice another and materially different process. (MPEP § 806.05(e)). In this case the apparatus as claimed can be used in another and materially different process such as the manufacture of a stencil mask.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

Application/Control Number: 10/083,914 Page 3

Art Unit: 1756

2. During a telephone conversation with Joseph Ziebert on July 25, 2003, a provisional election was made with traverse to prosecute the invention of Group I, claims 1-9 and 18-22. Affirmation of this election must be made by applicant in replying to this Office action. Claims 10-17 are withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.

3. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Art Unit: 1756

5. Claim 18 is rejected under 35 U.S.C. 102(b) as being clearly anticipate by Uetami (US Patent 5,876,904).

Page 4

Detami teaches a process of forming a photoresist pattern whereby a photoresist layer is irradiated with two different wavelengths of light. The first irradiation forms a pattern in the top surface of the resist layer. A blanket exposure is used to further expose the resist layer. See column 2, lines 60-61 and Example 3.

Allowable Subject Matter

6. Claims 1-9 and 19-22 are allowed. The claims recite a process of forming a pattern using two exposures. In the allowable claims, a first exposure occurs which exposes a top portion of the resist layer. This is followed by a second exposure. The second exposure is at a longer wavelength than the first exposure. Uetami teaches two exposures but does not teach that the second exposure is at a longer wavelength. The Examples in Uetami show a longer wavelength being used for the first exposure. Allen teaches a process of exposing a top surface of a resist layer. The exposed areas are silylated before further exposure and development. It is not taught nor suggested that the two exposures are at different wavelengths with the wavelength of the first exposure being shorter than the wavelength of the second exposure.

Application/Control Number: 10/083,914 Page 5

Art Unit: 1756

Conclusion

7. Any inquiry concerning this communication should be directed to Examiner K. Duda at (703) 308-2292. Official after final FAX communications should be sent to (703) 872-9311, all other official FAX communications should be sent to (703) 872-9310.

Any inquiry of a general nature or relating to the status of this application should be directed to the receptionist at (703) 308-0661.

Kathleen Duda Primary Examiner Art Unit 1756